Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/09/2019 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123557	-2	3.03	123556	2.98
Blue	F	SSC	125000	121129	-4	4.79	121802	4.96
Blue	E	FITC	16694	16246	-3	4.54	377	23.08
Blue	D	PE	32792	32189	-2	3.86	709	17.50
Blue	B	PerCP-Cy5-5	44451	44146	-1	5.41	1210	23.93
Blue	A	PE-Cy7	33645	33881	0	7.76	606	50.26
Red	C	APC	47008	46361	-2	3.32	1796	13.73
Red	A	APC-Cy7	32298	31720	-2	3.22	791	14.33
Violet	B	V450	8961	8520	-5	5.06	504	15.52
Violet	A	V500	32726	31235	-5	4.76	757	12.02

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20558	6.66	613	0	N/A	N/A	Pass
Blue	F	SSC	54839	4.29	584	16	N/A	N/A	Pass
Blue	E	FITC	63	75.85	570	7	0.0142	157	Pass
Blue	D	PE	142	58.08	575	9	0.1058	226	Pass
Blue	B	PerCP-Cy5-5	223	58.52	680	9	0.0069	67	Pass
Blue	A	PE-Cy7	116	127.62	736	10	0.0083	27	Pass
Red	C	APC	410	29.39	613	0	0.0183	136	Pass
Red	A	APC-Cy7	195	32.23	584	-1	0.0045	1059	Pass
Violet	B	V450	92	58.61	484	-2	0.0317	1919	Pass
Violet	A	V500	112	39.92	494	-2	0.0172	1036	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.01	-32.45	1.08
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	17.14	13.60 - 20.40	N/A	N/A	29.12	29.87	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10452

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments